BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

BYATARAYANAPURA DIVISION

BYATARAYANAPURA SUB DIVISOIN

Name of the Work : **Construction of Culverts at Dasarahalli Surrounding area in ward no. 06, Byatarayanapura Sub Division**

Estimated Cost : **15.00 Lakhs**

Bruhat Bangalore Mahanagara Palike

Name of works: Construction of Culverts at Dasarahalli Surrounding area in ward no. 06, Byatarayanapura Sub Division

Sl No	Description of Items	Unit	No	Length	Width	Depth	Quantity	Rate	Amount
	Civil Work								
1	KSRRB300-1. **Earthwork excavation by manual means** for roads, drains & similar works in ordinary soil excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications.(I.NO 19.1,Page no 143 SR 2018-19)								
	Basic rate	130.00							
	Area Weightage 6%	7.80							
	Loading and Unloading & Lead,8KM, (57+ 2*1.28*8)	77.48							
	Total	**215.28**							
		Cum							
	For DRAIN Desilt								
			1	1500.00	0.45	0.40	270.00		
	Remove for Over burden Earth		1	150.00	1.20	0.25	45.00		
			1	130.00	0.90	0.30	35.10		
			1	80.00	1.20	0.30	28.80		
	For RCC Drain								
	Cross Road		1	100.00	1.10	1.20	132.00		
	RCC Culvert								
			5	6.00	1.50	1.00	45.00		
							555.90	**215.28**	**119674.15**
2	KSRRB M2100-10. Providing and laying **Plain cement concrete of mix 1:3:6** with OPC @ 220kgs, with crushed 40mm and down size graded granite metal coarse aggregates @0.89cum and fine aggregates @ 0.46cum, in foundation mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days including cost of all materials, labour, HOM curing, form works, scaffolding and centering complete as per specifications. (P.No-222,I No-27.18)								
	Basic Rate	5115.00							
	4.4*55.47	244.07							
	Sub total	5359.07							
	6% Area weightage	321.54							
	Total	**5680.61**							
		Cum							
	For RCC Drain								
			1	100.00	1.10	0.15	16.50		
	RCC Culvert								
			5	6.00	1.50	0.15	6.75		
							23.25	**5680.61**	**132074.23**
3	KSRRB M2200-6. Providing **TMT Bars Fe 500 steel reinforcement** for R.C.C. work including straightening, cutting, bending, hooking, placing in postion, lapping and/or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM complete as per specification.(I.NO 28.8.2 Page no 229, SR 2018-19)								
	Basic Rate	75610.00							

Sl No	Description of Items	Unit	No	Length	Width	Depth	Quantity	Rate	Amount
	Area Weightage 6%	4536.60							
		80146.60							
		Tn							
	Consider 60kg/cum for drain		1	31.50		0.06	1.89		
	Consider 80kg/cum for culvert		1	16.38		0.08	1.31		
							3.20	**80146.60**	**256501.18**
4	Providing and laying plain/reinforced cement concrete for side drains using **M20 nominal mix concrete with OPC at 300 kgs.** With 20mm and sown size granite metal course aggregates at 0.69 cum and fine aggregates at 0.43 cum machine mixed, well compcted for walls and bottom including centring shuttering cost of material HOM of machinary curing etc., complete execluding cost of steel as per MORTH specification no. 1500, 1700, 2200 including cost of material labour HOM complete as per specification. (P.No.271, I.No.37.59.2 of PW, P&IWTD S.R 2018-19)								
	Basic rate	6670.00							
	6*55.47	332.82							
	Sub total	7002.82							
	6% Area weightage	420.17							
	Total	**7422.99**							
		Cum							
	For RCC DRAIN Raft								
			1	100.00	0.90	0.15	13.50		
	For RCC DRAIN Wall								
			2	100.00	0.15	0.60	18.00		
							31.50		
	RCC Culvert Raft								
			5	6.00	1.35	0.20	8.10		
	RCC Culvert Wall								
			10	6.00	0.23	0.60	8.28		
							16.38		
							47.88	**7422.99**	**355412.72**
5	Providing and Fixing **Pre cast covering Slab 100mm thick** made out of CC, jelly 20mm Down size with steel reinforcement including form work,curing,including cost of alll materials, labour,hire charges of machinery, loading, unloading, lead and lift,transportation etc ,complete.As per Engineer incharge. (Data Rate)								
	Data rate	**1922.00**							
		Sqm							
	Pre Cast Covering Slab								
			1	100.00	0.90		90.00		
	For Missing Slabs		1	15.00	0.90		13.50		
			1	18.00	0.90		16.20		
							119.70	**2337.00**	**279738.90**
6	Providing and fixing **RCC precast cover slab of 230mm thick** for drain in cement concrete 1:1.5:3 using graded granite jelly 20mm and down size with steel reinforcement, including form work, lift charges, curing and concrete finished surfaces on both sides etc, complete and as per drawing and the directions of Engineer in-charge. (Data Rate)								
	Data rate	**5418.00**							
		Sqm							

Sl No	Description of Items	Unit	No	Length	Width	Depth	Quantity	Rate	Amount
	RCC Culvert Covering Slab								
			5	6.00	1.20		36.00		
							36.00	5418.00	195048.00
								Total Construction Cost	1338449.18
								Towards GST 12%	160613.90
								Sub Total	1499063.09
								Miscellaneous & Rounding Off	936.91
								Total	1500000.00

Certificate

1. The workspot was inspected and works is found to be necessary.
2. The area comes within the Bruhat Bangalore Mahanagara Palike limits.
3. The rates adopted based on the PWD SR,Bangalore circle for year 2018-2019, issue rates dated 01-01-2021 and Data Rates

Assistant Engineer
Ward 05
BBMP Bangalore

Asst. Executive Engineer
Bytarayanapura Sub Division
BBMP Bangalore

Executive Engineer
Bytarayanapura Division
BBMP Bangalore
15/11

Administrative Approval

Accorded For 15.00 Lakhs only
Head of A/C. PoW
CER NO : 90 Dt. 13.2.2021

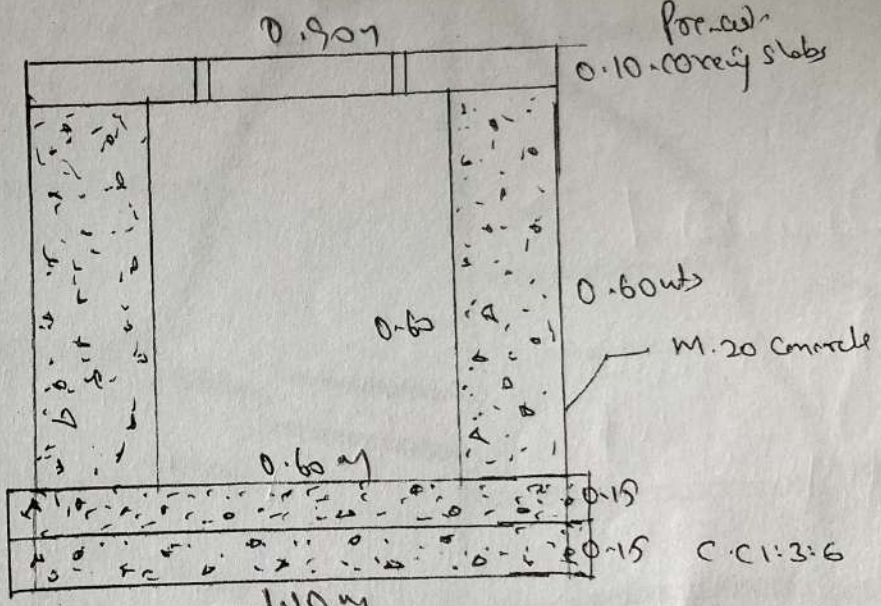
TA

CE (YNK)

TECHNICAL SANCTION
Accorded For Rs. 15.00 Lakhs only
Head of A/c. PoW
Div. Ref. No. 33 Date 16/02/21
AE

EE(BTP)

Name of Work: Constn of culverts at Dattarahally Ramanagara area in Ward No.06, Byatarayanpura Sub-Division



CROSS-SECTION OF DRAIN

ಸಹಾಯಕ ಅಭಿಯಂತರರು
ಬಿ.ಡಿ.ಎ.ಪಿ. ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ

ಸಹಾಯಕ ಕಾರ್ಯನಿರ್ವಾಹಕ ಅಭಿಯಂತರರು
ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ
ಬಿ.ಡಿ.ಎ.ಪಿ., ಬೆಂಗಳೂರು-24

Construction of Culverts at Dasarahalli Surrounding area in ward no. 06, Byatarayanapura Sub Division